

1 Q. **Reliability and Resource Adequacy Study Update, November 15, 2019**

2 ***TGS Study Reports***

3 With respect to TGS's identification of a possible voltage collapse in the Bay d'Espoir -Soldiers
4 Pond corridor, caused by a reactive power problem, please state whether Hydro plans to
5 address such collapse as part of resource adequacy study activities. If not explain why not. If so,
6 state when Hydro expects to complete the work required, the risks to that date, and Hydro's
7 estimation of the likelihood of availability at the date estimated.

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10 A. Voltage collapse concerns as a result of an extended bi-pole loss are being investigated as part
11 of Newfoundland and Labrador Hydro's ("Hydro") ongoing Reliability and Resource Adequacy
12 Study. To date, certain analyses have been completed including the TransGrid Solutions Avalon
13 Capacity Study and Technical Note TP-TN-068.¹ Hydro will continue to assess risks and develop
14 mitigating solutions to transmission planning concerns as the Reliability and Resource Adequacy
15 Study continues.

¹ Technical Note TP-TN-068, "Application of Emergency Transmission Planning Criteria for a Labrador-Island Link Bipole Outage," Newfoundland and Labrador Hydro, July 30, 2019.